

FIG. 1

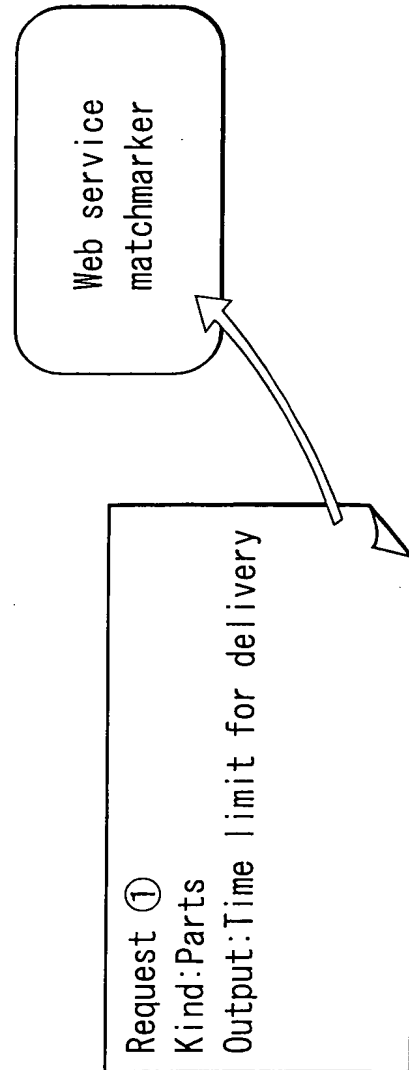


FIG. 2

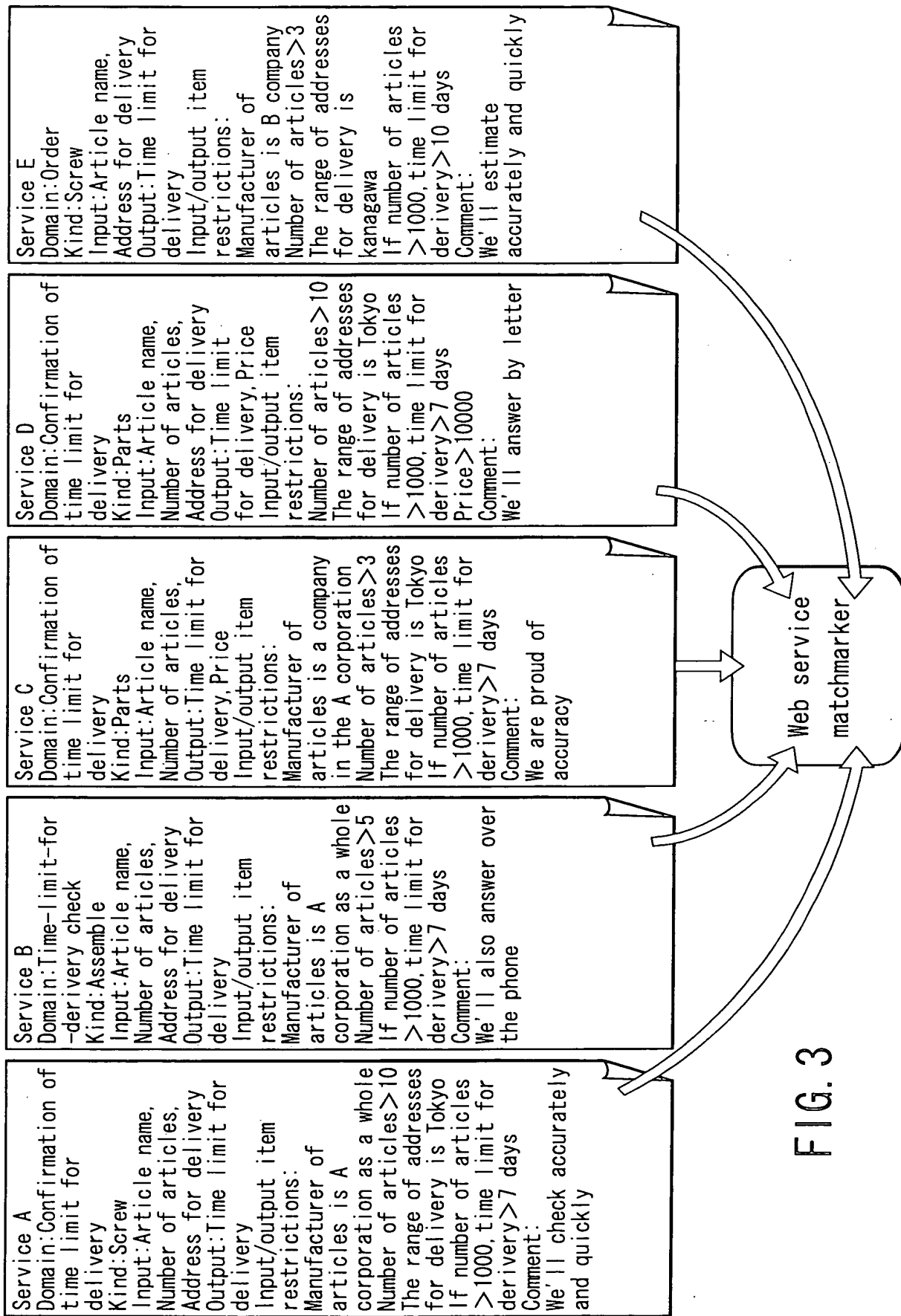


FIG. 3



Domain checking	Domain name	Category	
	Confirmation of time limit for delivery	Confirmation of time limit for delivery	
	Time-limit-for-delivery checking	Confirmation of time limit for delivery	
	Confirmation of time limit for delivery	Confirmation of time limit for delivery	
	Order	Order	
	Order	Order	
Comment checking	Keyword	Frequency of appearance	
	Accurate	3	
	Quick	2	
	Document	1	
	Telephone	1	
Input/output items	Input item	Frequency of appearance	Frequency of appearance
	Article name	5	Time limit for delivery 5
	Number of articles	4	Price 2
	Address for delivery	4	
Input/output restrictions	Items	Restrictions, conditions	Frequency of appearance
	Number of articles	Minimum number of articles	5
	Time limit for delivery	Earliest time limit for delivery	5
	Article name	Manufacturer	4
	Address for delivery	Range	4
	Price	Lowest price	1

Domain checking section output

Frequency-of appearance-of-comment-keywords checking section output (specified number=1)

Frequency-of appearance-of-input/output-items checking section output (specified number=1)

Input-output restrictions checking section output (specified number=1)

FIG. 4



Domain item	Confirmation of time limit for delivery
(Either)	Order
Keyword	Accurate
(Isn't there any interesting word ?)	Quick
Input items and restrictions	Input item
(Isn't there any restriction to be specified as a possible input item ?)	Article name
	Number of articles
	Address for delivery
	Range
Output items and restrictions	Output item
(Isn't there any restriction to be specified as a desired output item ?)	(Time limit for delivery)
	Earliest time limit for delivery
	Price
	Restriction
	Example of restriction(or restrictions if any)
	Manufacturer
	Minimum number of articles
	Range

FIG. 5

Request ①
 Domain: Confirmation of time limit for delivery
 Kind: Parts
 Input: Article name, Number of articles, address for delivery
 Output: Time limit for delivery
 Conditions:
 Manufacturer of articles is Toshiba TEC
 Number of articles > 5
 The range of addresses for delivery is a metropolitan area
 If number of articles > 1000, time limit for delivery > 7 days
 Keyword: Accurate

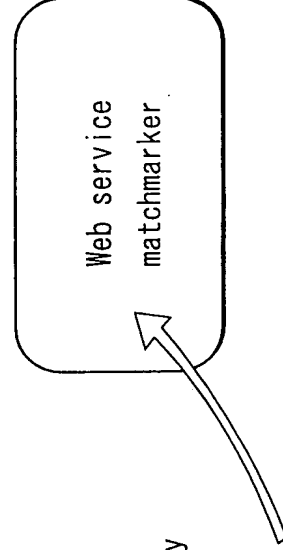
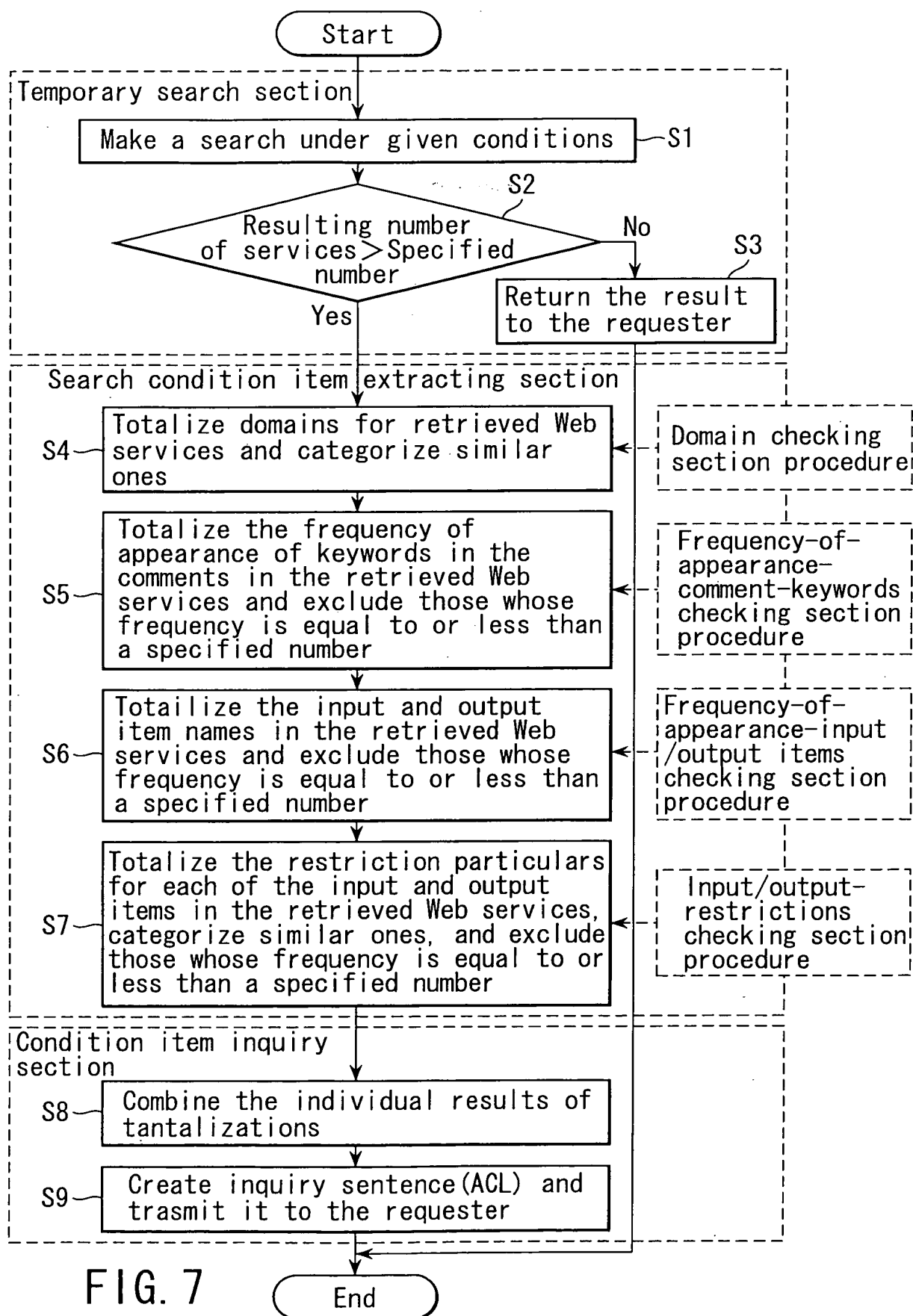


FIG. 6



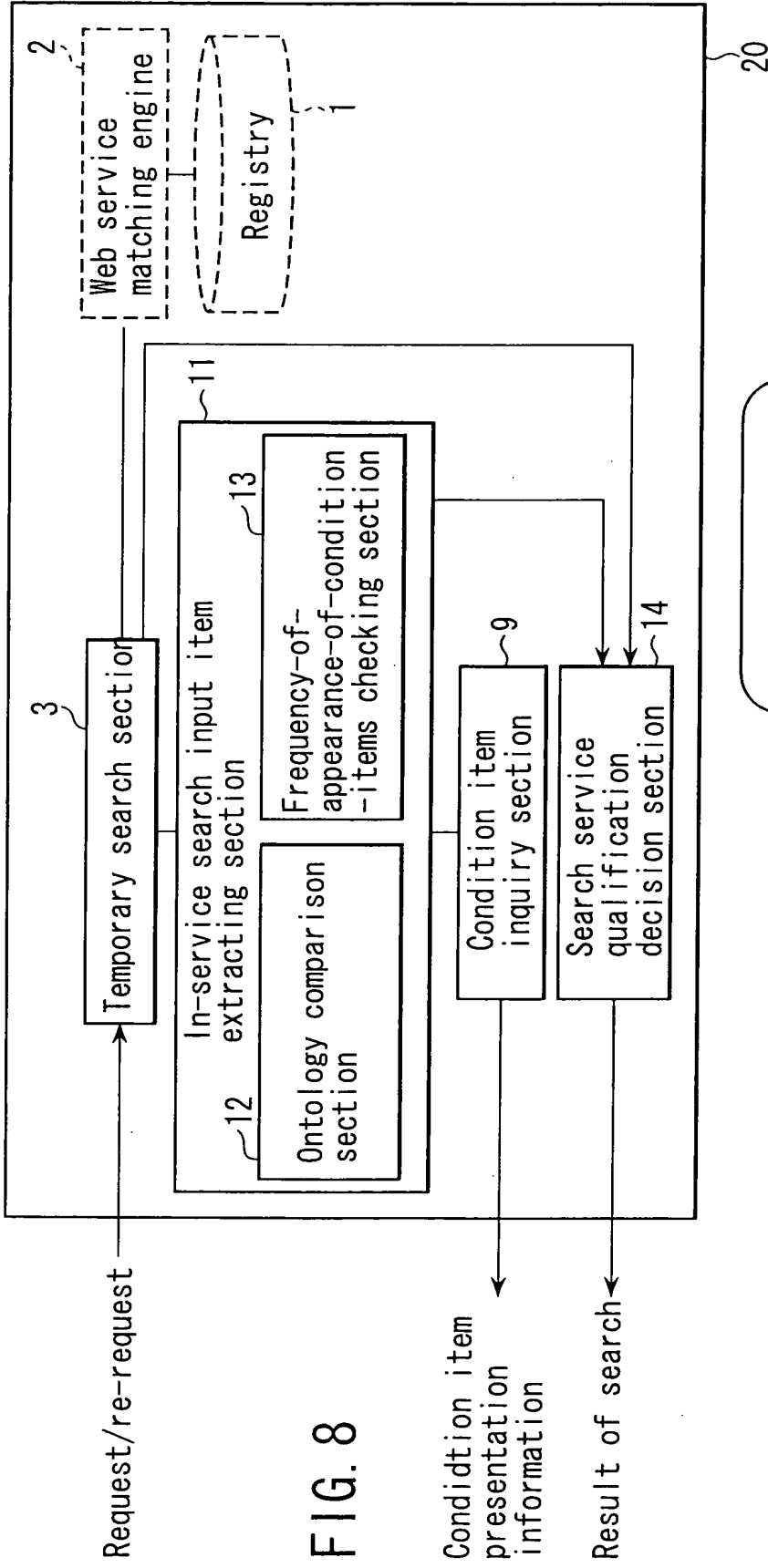


FIG. 8

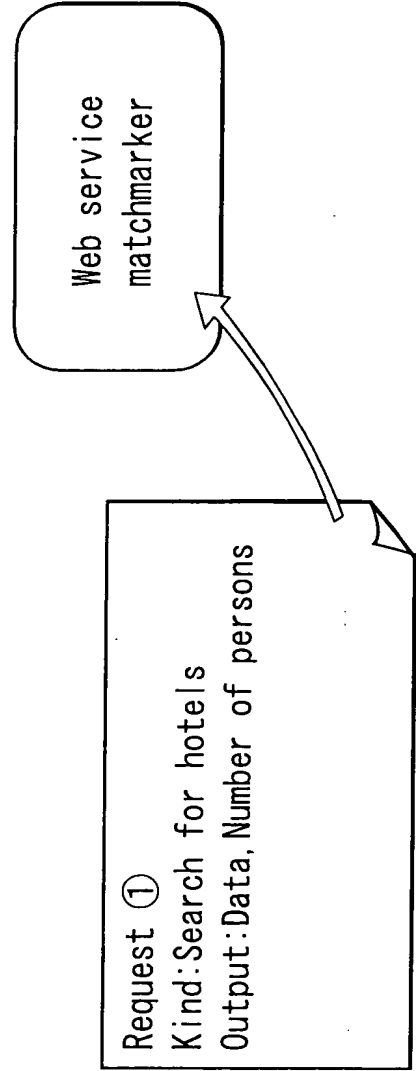


FIG. 9

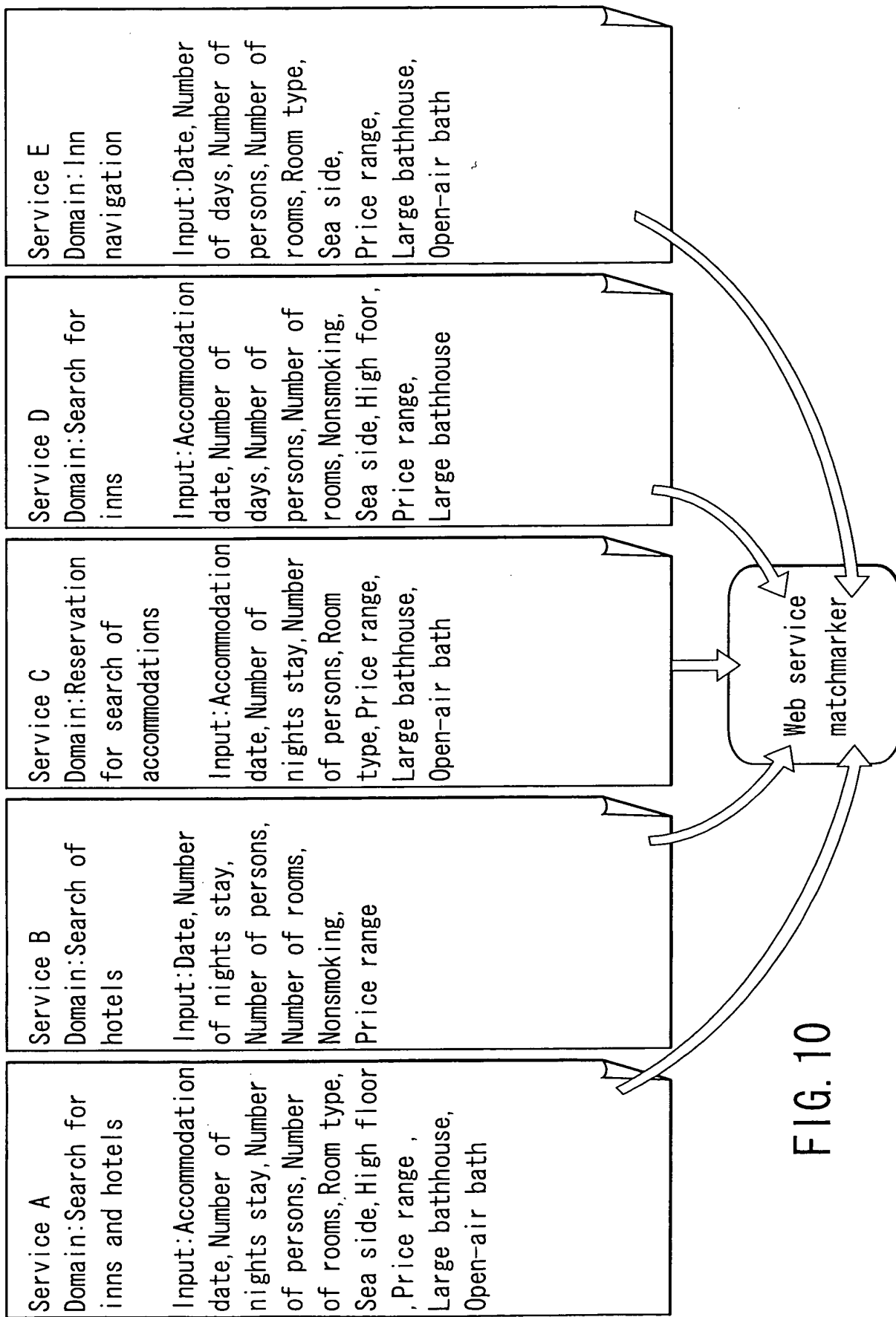


FIG. 10



Service A	Service B	Service C	Service D	Service E
Accommodation date	Accommodation date	Accommodation date	Accommodation date	Accommodation date
Date	Date	Date	Date	Date
Number of nights stay	Number of nights stay	Number of nights stay	Number of nights stay	Number of nights stay
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons
Number of rooms	Number of rooms	Number of rooms	Number of rooms	Number of rooms
Room type	Room type	Room type	Room type	Room type
Nonsmoking	Nonsmoking	Nonsmoking	Nonsmoking	Nonsmoking
Sea side	Sea side	Sea side	Sea side	Sea side
High floor	High floor	High floor	High floor	High floor
Price range	Price range	Price range	Price range	Price range
Large bath	Large bath	Large bath	Large bath	Large bath
Open-air bath	Open-air bath	Open-air bath	Open-air bath	Open-air bath

FIG. 12



Service A	Service B	Service C	Service D	Service E
Accommodation date	Date	Accommodation date	Accommodation date	Date
Number of nights stay	Number of nights stay	Number of nights stay	Number of days	Number of days
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons
Number of rooms	Number of rooms	Number of rooms	Number of rooms	Number of rooms
Room type	Room type	Room type	Room type	Room type
	Nonsmoking		Nonsmoking	
Sea side			Sea side	Sea side
High floor			High floor	
Price range	Price range	Price range	Price range	Price range
Large bath		Large bath	Large bath	Large bath
Open-air bath		Open-air bath		Open-air bath

FIG. 13

Service A	Service B	Service C	Service D	Service E	Frequency of appearance
Accommodation date	Date	Accommodation date	Accommodation date	Accommodation date	5
Number of nights stay	Number of nights stay	Number of nights stay	Number of days	Number of days	5
Number of persons	Number of persons	Number of persons	Number of persons	Number of persons	5
Number of rooms	Number of rooms	Number of rooms	Number of rooms	Number of rooms	4
Room type	Room type	Room type	Room type	Room type	3
	Nonsmoking		Nonsmoking		2
Sea side			Sea side	Sea side	3
High floor			High floor		2
Price range	Price range	Price range	Price range	Price range	5
Large bath	Large bath	Large bath	Large bath	Large bath	4
Open-air bath	Open-air bath	Open-air bath		Open-air bath	3

FIG. 14



FIG. 15

Day
Number of days
Number of persons
Number of rooms
Room type
Nonsmoking
Sea side
Hight floor
Price range
Large bath
Open-air bath

Request ①
Kind:Search of inns and hotels

Input:Day, Number of days,
Number of persons,
See side,High floor,
Open-air bath

Web service
matchmaker

FIG. 16

Service A	Service B	Service C	Service D	Service E
6	3	4	5	5

FIG. 17

Ranking	Service name
1	Service A
2	Service D
2	Service E
4	Service C
5	Service B

FIG. 18

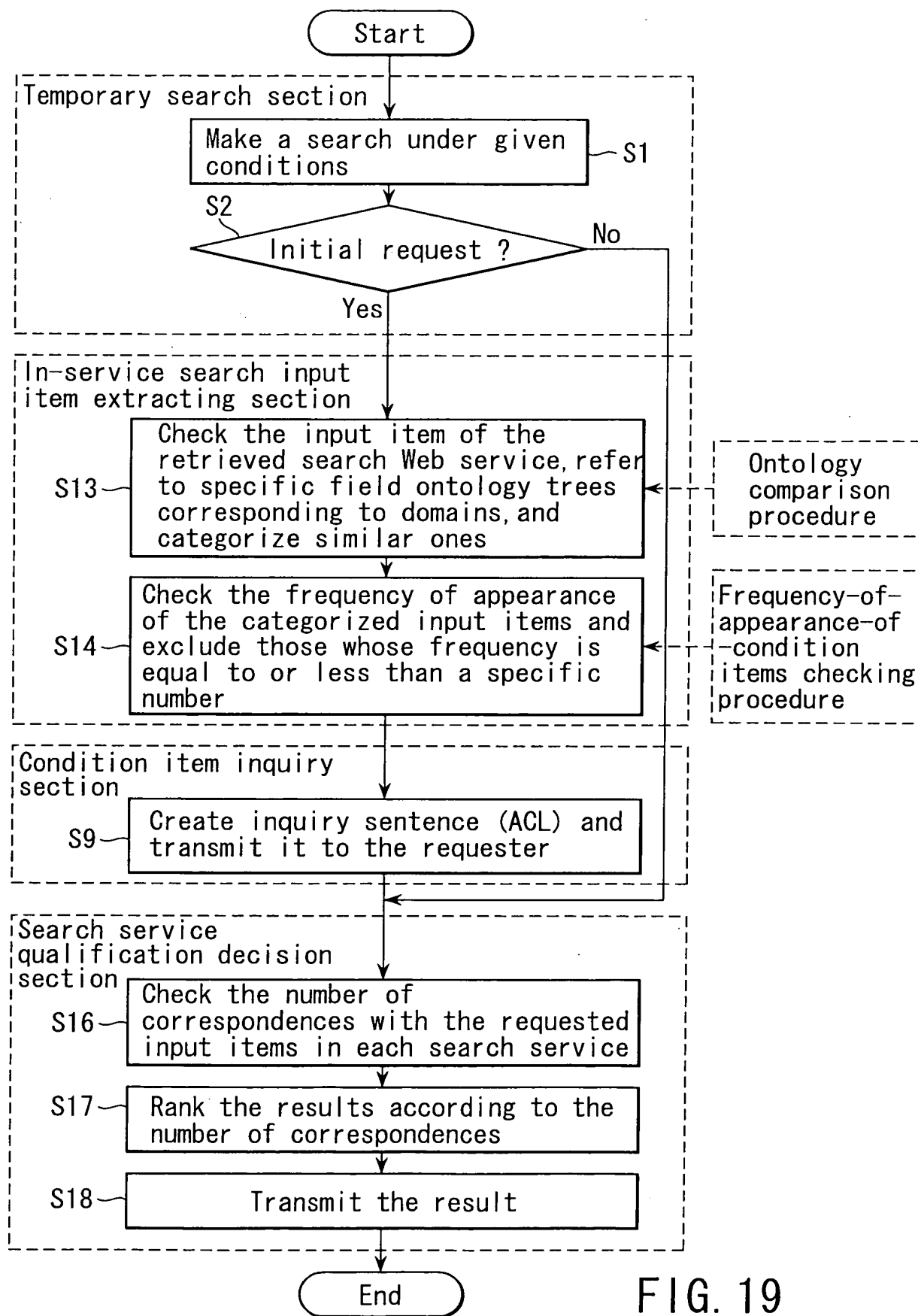


FIG. 19